

6Y6-GA
BEAM POWER TUBE

6Y6-GA

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:		
Voltage (AC or DC)	6.3	volts
Current	1.25	amp
Direct Interelectrode Capacitances (Approx.):°		
Grid No.1 to plate	0.66	μμf
Grid No.1 to cathode & grid No.3, grid No.2, and heater	12	μμf
Plate to cathode & grid No.3, grid No.2, and heater	7.5	μμf

Mechanical:

Operating Position . . . . . Any
Maximum Overall Length . . . . . 3-7/8"
Maximum Seated Length . . . . . 3-5/16"
Diameter . . . . . 1.438" to 1.562"
Bulb T12
Base . . . Medium-Shell Octal 7-Pin (JEDEC Group 1, No.B7-12), or Short Medium-Shell Octal 7-Pin with External Barriers, Style B (JEDEC Group 1, No.B7-119)
Basing Designation for BOTTOM VIEW 7S

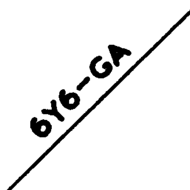
Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Grid No.2
Pin 5 - Grid No.1
Pin 7 - Heater
Pin 8 - Cathode, Grid No.3

AMPLIFIER — Class A_1

Maximum Ratings, *Design-Center Values:*

PLATE VOLTAGE	200 max.	volts
GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE	200 max.	volts
GRID-No.2 VOLTAGE	*See Grid-No.2 Input Rating Chart at front of Receiving Tube Section*	
GRID-No.2 INPUT:		
For grid-No.2 voltages up to 100 volts	1.75 max.	watts
For grid-No.2 voltages between 100 and 200 volts	*See Grid-No.2 Input Rating Chart at front of Receiving Tube Section*	
PLATE DISSIPATION	12.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	180 max.	volts
Heater positive with respect to cathode	180 max.	volts

° Without external shield.





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Maximum Circuit Values:

Grid-No.1-Circuit Resistance:		
For fixed-bias operation.	1 max.	megohm
For cathode-bias operation.	0.5 max.	megohm

Typical Operation and Characteristics:

Plate Voltage	135	200	volts
Grid-No.2 Voltage	135	135	volts
Grid-No.1 Voltage	-13.5	-14	volts
Peak AF Grid-No.1 Voltage	13.5	14	volts
Zero-Signal Plate Current	58	61	ma
Max.-Signal Plate Current	60	66	ma
Zero-Signal Grid-No.2 Current . . .	3.5	2.2	ma
Max.-Signal Grid-No.2 Current . . .	11.5	9	ma
Plate Resistance (Approx.).	9300	18300	ohms
Transconductance.	7000	7100	μmhos
Load Resistance	2000	2600	ohms
Total Harmonic Distortion	10	10	%
Max.-Signal Power Output.	3.6	6	watts

1.562" MAX.
1.438" MIN.
DIA.
T12 BULB
$3\frac{5}{16}$" MAX.
$3\frac{7}{8}$" MAX.
BASE
JEDEC GROUP 1,
Nº B7-12
OR
Nº B7-119

92CS-10248